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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
10/690,398	10/20/2003	Satish K. Gaggar	GEPL.P-089	3758
21121	7590	07/19/2005	EXAMINER	
OPPEDAHL AND LARSON LLP			NAKARANI, DHIRAJLAL S	
P O BOX 5068			ART UNIT	
DILLON, CO 80435-5068			PAPER NUMBER	

1773

DATE MAILED: 07/19/2005

Please find below and/or attached an Office communication concerning this application or proceeding.

Office Action Summary

Application No.

10/690,398

Applicant(s)

GAGGAR ET AL.

Examiner

D. S. Nakarani

Art Unit

1773

-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address --
Period for Reply

A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 3 MONTH(S) FROM THE MAILING DATE OF THIS COMMUNICATION.

- Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication.
- If the period for reply specified above is less than thirty (30) days, a reply within the statutory minimum of thirty (30) days will be considered timely.
- If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication.
- Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133). Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).

Status

- 1) ☒ Responsive to communication(s) filed on 20 October 2003.
2a) ☐ This action is FINAL. 2b) ☒ This action is non-final.
3) ☐ Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under *Ex parte Quayle*, 1935 C.D. 11, 453 O.G. 213.

Disposition of Claims

- 4) ☒ Claim(s) 1-31 is/are pending in the application.
4a) Of the above claim(s) _____ is/are withdrawn from consideration.
5) ☐ Claim(s) _____ is/are allowed.
6) ☒ Claim(s) 1-6, 11-13 and 18-22 is/are rejected.
7) ☒ Claim(s) 7-10, 14-17 and 23-31 is/are objected to.
8) ☐ Claim(s) _____ are subject to restriction and/or election requirement.

Application Papers

- 9) ☐ The specification is objected to by the Examiner.
10) ☒ The drawing(s) filed on 20 October 2003 is/are: a) ☒ accepted or b) ☐ objected to by the Examiner.
Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).
Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d).
11) ☐ The oath or declaration is objected to by the Examiner. Note the attached Office Action or form PTO-152.

Priority under 35 U.S.C. § 119

- 12) ☐ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
a) ☐ All b) ☐ Some * c) ☐ None of:
1. ☐ Certified copies of the priority documents have been received.
2. ☐ Certified copies of the priority documents have been received in Application No. _____.
3. ☐ Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).

* See the attached detailed Office action for a list of the certified copies not received.

Attachment(s)

- 1) ☒ Notice of References Cited (PTO-892)
2) ☒ Notice of Draftsperson's Patent Drawing Review (PTO-948)
3) ☒ Information Disclosure Statement(s) (PTO-1449 or PTO/SB/08)
Paper No(s)/Mail Date 3/04 & 3/05.
4) ☐ Interview Summary (PTO-413)
Paper No(s)/Mail Date. _____.
5) ☐ Notice of Informal Patent Application (PTO-152)
6) ☐ Other: _____

DETAILED ACTION

1. The following is a quotation of 35 U.S.C. 103(a) which forms the basis for all obviousness rejections set forth in this Office action:

(a) A patent may not be obtained though the invention is not identically disclosed or described as set forth in section 102 of this title, if the differences between the subject matter sought to be patented and the prior art are such that the subject matter as a whole would have been obvious at the time the invention was made to a person having ordinary skill in the art to which said subject matter pertains. Patentability shall not be negated by the manner in which the invention was made.

2. Claims 1-6, 11-13 and 18-22 are rejected under 35 U.S.C. 103(a) as being unpatentable over Grefenstein et al (U.S. Patent 6,589,378 B2) in view of McCollum et al (U.S. Patent Application Publication US 2004/0146714 B1).

Grefenstein et al disclose a laminated sheet comprising substrate ABS (col. 10, lines 36-38), interlayer comprising styrene-acrylonitrile copolymers (col. 11, line 29) and top layer of acrylic resin such as polymethyl methacrylate or impact modified polymethyl methacrylate (col. 11 lines 5-7). Grefenstein et al fail to disclose acrylic modified ABS and styrene-acrylonitrile copolymer such as acrylonitrile-styrene-acrylate rubber terepolymer.

McCollum et al disclose laminated molded article comprising a top layer of acrylic polymer bonded to an ABS layer. McCollum et al's ABS layer can be made of two layers wherein one layer can be acrylic-styrene-acrylonitrile copolymer bonded to an ABS – acrylic alloy. McCollum et al's ABS, ASA or ABS-acrylic alloy are equivalent as a substrate film (page 2, paragraph 0012 and 0013).

Art Unit: 1773

Therefore it would have been obvious to a person of ordinary skill in the art to which this invention pertains to utilize disclosure of McCollum et al in the invention of Grefenstein et al to use McCollum et al's ABS-acrylic alloy instead of ABS since they are equivalent substrates.

3. Claims 7-10, 14-17 and 23-31 are objected to as being dependent upon a rejected base claim, but would be allowable if rewritten in independent form including all of the limitations of the base claim and any intervening claims.

Claims are deemed allowable because art of record does not teach or suggest a laminate comprising claimed fourth acrylic layer.

4. Receipt of Information Disclosure Statements filed March 29, 2004 and March 28, 2005 is acknowledged and all documents showing publication date have been made of record. The document "SPARTECH PLASTICS BROCHURE, Product Summary, Pages 1-18" has been considered. However since this document does not show publication date it has been crossed-out and will not appear on any patent issued from this application. If applicants desire to list on patent issued from this application, document showing publication date with PTO/SB/08b should be submitted.

5. Any inquiry concerning this communication or earlier communications from the examiner should be directed to D. S. Nakarani whose telephone number is (571) 272-

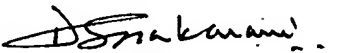
Art Unit: 1773

1512. The examiner can normally be reached on Tuesday-Friday from 7:00 am to 5:30 pm.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Carol Chaney can be reached on (571) 272-1284. The fax phone number for the organization where this application or proceeding is assigned is (571) 273-8300.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see <http://pair-direct.uspto.gov>. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free).

D. S. Nakarani/af
June 28, 2005


D. S. NAKARANI
PRIMARY EXAMINER